Invariant to character rotation using self organizing fuzzy neural network

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Abstract

An efficient technique based on the self organizing fuzzy neural network has been proposed in this paper and we have applied it to the problem of invariant to character rotation and angle prediction of a rotated object. Simulation study of the proposed technique has been carried out to show that a four layered feed forward Fuzzy Neural Network (FNN) provides invariance to rotation for the character T. The proposed technique is shown to be computationally efficient and has several online applications.

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